Administrative/Technical Review Checklist
Municipal Solid Waste Permit, Registration, & Amendment Applications

Municipal Waste Permits Section, Waste Permits Division

This checklist serves as a guideline for Parts I, II, III, and IV application information requirements of 30 TAC Chapter 305 Subchapters C and D and 30 TAC Chapter 330. For portions which are not applicable, mark the NA column. This checklist is intended to be used as a guide and **must** be used in conjunction with reading the rules.

Facility Name: _____ Location (county): _____

Applicant'S Name: _____ Type of Application: _____

MSW Permit No.: _____ Date of Application: _____

Date Application Received: _____ Date Administratively Complete: _____

Date Technically Complete: _____ Administrative Review By: _____
(signature and date)

Technical Review By: _____ _____
(signature and date) *(printed name)*

_____ Supervisor: _____
(printed name) *(signature and date)*

Assignments: Engineer _____ _____
(printed name)

Geologist _____

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Municipal Solid Waste Rules, Title 30 Texas Administrative Code, Chapter 330

List of Acronyms & Abbreviations:

ADC – Alternative Material Daily Cover

AE, IAE, IVAE – Aired Exempt Facilities

ASD – Alternate Source Demonstration

CESQG – Conditional Exempt Small Quantity Generator

CFCs – Chlorofluorocarbons

CFR – Code of Federal Regulations

COC – Constituent of Concern

COG – Council of Governments

CWA – Clean Water Act

ED – Executive Director

FAA – Federal Aviation Administration

FEMA – Federal Emergency Management Administration

GW – Groundwater

Haz. - Hazardous

HDPE – High Density Polyethylene

ID - Identification

MCL – Maximum Contaminant Level

NPDES – National Pollutant Discharge Elimination System

NESHAPS – National Emission Standards for Hazardous Air Pollutants

PCB – Polychlorinated Biphenyls

PE & PG – Professional Engineer or Geoscientist

Perm. – Permeability

POR – Professional of Record

QA/QC – Quality Assurance/Quality Control

RACM – Regulated Asbestos Containing Material

SLER – Soil Liner Evaluation Report

SOP – Site Operating Plan

SPCC – Spill Prevention Control & Countermeasure

SSI – Statistically Significant Increase

TDS – Total Dissolved Solids

THSC – Texas Health & Safety Code

TRCA – Texas Radiation Control Act

TPDES – Texas Pollutant Discharge Elimination System

TWC – Texas Water Code

TXDOT – Texas Department of Transportation

USGS – United State Geological Survey

USEPA – United States Environmental Protection Agency

Table 1. Administrative and Technical Review Checklist for Municipal Solid Waste Permit, Registration, and Amendment Applications.

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Permit & Registration Applications for MSW Facilities	330.57					
Submit all four parts of the permit or registration application	330.57(a) & (b)					
Submit TCEQ Part I form The Part I form addresses the requirements of 330.59 including general information, bilingual notice, facility location, required maps, property owner information, legal authority, evidence of competency, appointments, and fees						
All aspects of application and design requirements addressed, even to show why N/A	330.57(d)					
Data sufficiently complete and accurate	330.57(d)					
Number of Copies (4)	330.57(e) 281.5(1)					
Application preparation in accordance with TEPA 1001 and TGPA 1002 (signed, sealed, dated, by PE & PG)	330.57(f)					
PE sign, seal, & date title pages & drawings	330.57(f)(1)					Must include the Engineering Firm number

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
PG sign, seal, & date applicable sections	330.57(f)(2)					Must include PG license number
Applications that are not sealed shall be returned	330.57(f)(3)					
Application Format	330.57(g)					
Submitted in three ring binders	330.57(g)(1)					
Title Page – Name, application no., owners name, location, date prepared, revision date	330.57(g)(2)					
Table of Contents – PE seal	330.57(g)(3)					
8.5 x 11 inch paper 11 x 17 inch drawings	330.57(g)(4)					
All pages – page no. & date	330.57(g)(5)					
Footer or Header – revision date Highlighted revisions	330.57(g)(6)					Skipped 330.57(g)(7) relating to dividers and tabs
Application Drawings	330.57(h)					
Legible drawings 8.5 x 11, 11 x 17, or folded to size	330.57(h)(1)					
Color coding legible after copying in black & white	330.57(h)(2)					
Standard engineering scale on drawings	330.57(h)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
All Drawings	330.57(h)(4)					
Dated title block	330.57(h)(4)(A)					
Bar scale at least 1 inch	330.57(h)(4)(B)					
Revision block	330.57(h)(4)(C)					
PE or PG seal as applicable	330.57(h)(4)(D)					
Drawing no. & page no.	330.57(h)(4)(E)					
All Maps or Plan Drawings	330.57(h)(5)					
North arrow	330.57(h)(5)(A)					
Reference to base map & date of most current base map used	330.57(h)(5)(B)					
Legend	330.57(h)(5)(C)					
Section lines reference source drawing	330.57(h)(6)					
Internet Posting of Application	330.57(i)					
Web address for posted application & revisions, maintain posting until final action by TCEQ. Send URL address to Section coordinator	330.57(i)(1)					
Commission posts owner ID & application web address	330.57(i)(2)					
Application Content – Part I	330.59					
Items required by 30 TAC 281.5 & 305.45	330.59(a)(1)					
Application forms signed and notarized	281.5(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Applicant's signature checked against agency requirements	281.5(4)					
Applicant's name, mailing address & phone no.	305.45(a)(3)					
Description of the nature of the business	305.45(a)(4)					
Identify activities that require a permit	305.45(a)(5)					
Facility Location Description, facility name & mailing address	330.59(b)(1) 305.45(a)(1)					
Detail access routes	330.59(b)(2)					
Lat. & long. of the facility	330.59(b)(3)					
Maps Elements contained in 305.45	330.59(c)(1)					
Lat. & long. Depicted	330.59(c)(1)(A)					
Facility & intake and discharge structures & other associated structures	305.45(a)(6)					
8.5 x 14 or folded to size, scale not less than 1 inch = 1 mile	305.45(a)(6)					
Depict boundary and 1 mile beyond	330.59(c)(1)(B) 305.45(a)(6)					
Wells, springs, surface water bodies	305.45(a)(6)(A)					
Character of adjacent land & development as residential, commercial, agricultural, etc.	305.45(a)(6)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Location of waste disposal on-site not included in application	305.45(a)(6)(C)					
General location map, TXDOT, scale of ½ inch = 1 mile and most current map used	330.59(c)(2)					
Adjacent landowners map, within ¼ mile & mineral interest ownership	330.59(c)(3)(A) 281.5(6) 305.45(a)(6)(D)					
Adjacent landowners list, mineral interest ownership, electronic copy of list	330.59(c)(3)(B) 305.45(a)(6)(D) 281.5(6)					
Property Owner Information	330.59(d)					
Legal description	330.59(d)(1)					
Ownership record, county, book, page no.	330.59(d)(1)(A)					
Plat record, county, book, page no., acreage	330.59(d)(1)(B)					
Surveyed metes and bounds signed & sealed	330.59(d)(1)(C)					
Sealed metes & bounds drawing	330.59(d)(1)(D)					
Signed property owner affidavit	330.59(d)(2)					
Acknowledge that State may hold owner responsible	330.59(d)(2)(A)					
Acknowledge that owner responsible for deed record before & after operation	330.59(d)(2)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Acknowledge that owner & State shall have access during life & post-closure	330.59(d)(2)(C)					
Verified legal status of applicant List of persons with 20% ownership Ownership status as federal, state, private, public, or other	330.59(e) 281.5(3) 305.45(a)(2)					If company uses a "doing business as" (dba), then applicant must include an "Assumed Name Certificate" from the SOS & one from the County
Evidence of Competency	330.59(f)					
List of all Texas sites within last 10 years, name, type, permit no., county, dates operated	330.59(f)(1)					
List of all sites owner had financial interest in, facility name, type, location, dates operated, address of regulatory agency	330.59(f)(2)					
Shall employ a licensed solid waste facility supervisor before operating	330.59(f)(3)					
Principals & supervisors, previous affiliations with solid waste activities	330.59(f)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Landfilling, earthmoving exp. or license under Chapter 30, no. & size of equipment	330.59(f)(5)					Skipped 330.59(f)(6)
Appointments Signatory meets 305.44, documentation of delegated signatory authority	330.59(g)					
Corporations – signed by a corporate officer	305.44(a)(1)					
Partnership or proprietorship –signed by a general partner or proprietor	305.44(a)(2)					
Municipality, public agency –signed by a executive officer or elected official	305.44(a)(3)					
Signatory certification statement	305.44(b)					
Other Permits/Authorization	305.45(a)(7)					
Hazardous Waste Management	305.45(a)(7)(A)					
Underground Injection Control	305.45(a)(7)(B)					
NPDES	305.45(a)(7)(C)					
Prevention of Significant Deterioration	305.45(a)(7)(D)					
Nonattainment Program	305.45(a)(7)(E)					
NESHAPS	305.45(a)(7)(F)					
Ocean dumping permit	305.45(a)(7)(G)					
Dredge & fill permit	305.45(a)(7)(H)					
Licenses under the TRCA	305.45(a)(7)(I)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Other environmental permits	305.45(a)(7)(J)					
Payment of Fees	330.59(h) 305.53 281.5(2)					
Permit applications = $150.00 Please send checks to the TCEQ Cashiers Office, P. O. Box 13088, Austin, TX 78711-3088 & provide a copy of the payment receipt to the MSW Permits Section.	330.59(h)(1)					
Development permit = $2500.00	330.59(h)(2)					
Application Content – Part II	330.61					
Waste Acceptance Plan	330.61(b)					
Source and characteristics of all waste to be accepted. If waste will be processed (solidification, mulching, etc.), then applicant addresses Subchapter E requirements also.	330.61(b)(1)					
Any limiting parameters? TPH, metal concentrations, etc.	330.61(b)(1)					
Description of sources and areas estimate of population served waste recovery percentage	330.61(b)(1)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
For transfer stations, provide maximum daily & annual waste volume received projected for 5yrs, maximum volume stored, maximum & average time waste remains on-site, list intended destination of waste received at transfer station.	330.61(b)(1)(B) 305.62(j)(1)(C)					The max daily amount must be established for processing facilities per §305.62(j)(1)(C), so this rule should be applied even if it is not a transfer station as defined in 330.3.
For landfills, estimate maximum annual waste acceptance rate projected for 5 years	330.61(b)(1)(C)					
For registrations, establish why facility qualifies for registration under 330.9	330.61(b)(2)					
General Location Map	330.61(c)					
Wind rose	330.61(c)(1)					
Wells within 500 ft., State well no.	330.61(c)(2)					
Buildings within 500 ft.	330.61(c)(3)					
Schools, licensed day-cares, churches, hospitals, cemeteries, ponds, lakes, residential, commercial, & recreational areas within one mile	330.61(c)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Location & surface type of roads within one mile used as access	330.61(c)(5)					
Lat. & long.	330.61(c)(6)					
Area streams	330.61(c)(7)					
Airports within six miles	330.61(c)(8)					
Property boundary of facility	330.61(c)(9)					
Drainage, pipelines, utility easements within & adjacent to	330.61(c)(10)					
Access control features	330.61(c)(11)					
Sites - archaeological, historical, aesthetic quality adjacent to the facility	330.61(c)(12)					
Facility Layout Map Can be a set of maps	330.61(d)					
Outline of MSW units	330.61(d)(1)					
Location of interior roads	330.61(d)(2)					
Location of monitor wells	330.61(d)(3)					
Location of buildings	330.61(d)(4)					
Notes on construction sequence	330.61(d)(5)					
Facility fencing	330.61(d)(6)					
Windbreaks, greenbelts, visual screening	330.61(d)(7)					
Site entrance roads	330.61(d)(8)					
Type of waste in each sector	330.61(d)(9)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
General sequence of fill	330.61(d)(9)(B)					
Sequence of excavation & fill	330.61(d)(9)(C)					
Dimensions of cells	330.61(d)(9)(D)					
Max waste elevation & final cover	330.61(d)(9)(E)					
General Topographic Maps USGS 7.5 minute or equivalent one map at scale 1 in. = 2,000 ft.	330.61(e)					
Aerial Photographs	330.61(f)					
9 in. by 9 in., scale range one inch = 1,667-3,334 ft., including one mile radius of site, boundary and fill areas shown. This may be a high quality color reproduction.	330.61(f)(1)					
Series of photos showing growth trends	330.61(f)(2)					
Prints & photocopies legible	330.61(f)(3)					
Land Use Map Constructed map showing boundary, zoning, & land use within one mile including info from 330.61(c)(4), (5), & (10) (schools, hospitals, etc.)	330.61(g)					
Existing Conditions Summary Report any site specific conditions that require special design considerations & possible mitigation of conditions identified under sections (h) – (o)	330.61(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Impact on Surrounding Area Likely impacts are land use, zoning, growth patterns, other	330.61(h)					
Zoning map within two miles & copy of any nonconforming use or special permit required	330.61(h)(1)					
Character of surrounding land use within one mile	330.61(h)(2)					
Growth trends within five miles & directions of development	330.61(h)(3)					
Proximity to residences & items listed in 330.61(c)(4) & (12), ~ no. of residences & commercial establishments including direct & distance to nearest, population density, all within one mile	330.61(h)(4)					
Wells & well density within 500 ft.	330.61(h)(5)					
Any other info. requested by ED	330.61(h)(6)					
Transportation	330.61(i)					
Data on availability & adequacy of access roads	330.61(i)(1)					
Existing & expected traffic volumes on access roads within one mile during life of facility	330.61(i)(2)					
Estimate of volume of traffic generated by facility on access roads within one mile	330.61(i)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Documentation of coordination for roadway improvements, documentation of coordination with TXDOT for traffic & location restrictions	330.61(i)(4)					
Landfill & mining only - Impact on airports per 330.545, documentation of coordination with FAA	330.61(i)(5)					
For MSW units within 10,000 ft. of turbojet runway or within 5,000 ft. of piston-type runway, must demonstrate no bird hazards	330.545(a)					
For MSW units within 6 miles of a small airport or within 5 miles of a large commercial airport must notify the airport & the FAA	330.545(b)					
Permits or amendments must demonstrate per 330.545(a) & include in operating record	330.545(c)					
Putrescible waste disposal must not cause bird hazard, units within distances per 330.545(b) must be evaluated, FAA guidelines – order 5200.5(A) dated Jan. 31, 1990	330.545(d)					
General Geology & Soils Statement	330.61(j)					
General discussion of general geology & soil at site	330.61(j)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
For landfills, identify and provide data on fault area locations. If faults exist see location restrictions in Part III, and fault study in Geology Report	330.61(j)(2)					
For landfills, identify and provide data on seismic impact zones. If located in impact zone see location restrictions in Part III	330.61(j)(3)					
For landfills, identify and provide data on unstable areas. If unstable areas exist see locations restrictions in Part III, and factors for determining unstable areas in Geology Report	330.61(j)(4)					
Groundwater & Surface Water	330.61(k)					
Data on site specific groundwater conditions	330.61(k)(1)					
Data on surface water	330.61(k)(2)					
Information on how facility will comply with TPDES. This may include 330.61(k)(3)(A) & (B), including:	330.61(k)(3)					
Certification that owner will obtain TPDES permit or	330.61(k)(3)(A)					
Copy of permit no. under individual wastewater permit	330.61(k)(3)(B)					
Abandoned Oil & Water Wells	330.61(l)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Location of water wells, water supply wells must be outside monitoring system or approved, 30 days prior to construction provide certification of plugging	330.61(l)(1)					
Location of oil & gas wells, certification of plugging in application, production wells may remain if identified & don't disrupt operations	330.61(l)(2)					
Floodplains & Wetlands Statement	330.61(m)					
Provide statement to whether facility is within 100yr floodplain. If facility within a floodplain see location restrictions	330.61(m)(1)					
Wetlands determination per 330.553, provide evidence of Corps permit if obtained. If wetlands exist see location restrictions	330.61(m)(2)					
Identify wetlands located within facility boundary	330.61(m)(3)					
Endangered or Threatened Species Facility must not result in the destruction or adverse modification of the critical habitat of endangered or threatened species. Consideration of impact of disposal facility on species	330.61(n)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Demonstration of whether facility is located within species range, biological assessment	330.61(n)(2)					
TX Historical Commission Review Letter Document compliance with Natural Resource Code, Chapter 191, TX Antiquities Code	330.61(o)					
COG Review Document compliance with Regional Solid Waste Plan, document local government review	330.61(p)					
Application content – Part III	330.63					
Supplementary Technical Report Prepared by PE, PG, or qualified person	305.45(a)(8) 281.5(5)					
Description of facility & systems	305.45(a)(8)(A)					
For each outfall of place of disposal –	305.45(a)(8)(B)					
Volume & rate of disposal, averages, max rates/time, disposal patterns	305.45(a)(8)(B)(i)					
Physical, chemical, thermal, organic, bacteriological, radiological properties of waste	305.45(a)(8)(B)(ii)					
Other reasonable information	305.45(a)(8)(C) 281.5(7)					
Site Development Plan	330.63(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Location Restrictions						
No unloading, storage, disposal, processing within easements, buffer zones, or rights-of-way, no disposal within 25ft. of centerline of utility or pipeline easements & marked with posts	330.543(a)					
Type IAE, IV, IVAE & V – 50 ft. buffer	330.543(b)(1)					
New Type I, expansions & IAE that no longer meet 330.5(b)(1) – buffer zone as required by (b)(2)(A) – (D)	330.543(b)(2)					
New Type I – 125ft. buffer	330.543(b)(2)(A)					
Vertical expansions – 125ft. buffer measured from outermost edge of new airspace	330.543(b)(2)(B)					
Lateral expansions – 125ft. buffer measured from edge of horizontally expanded portion	330.543(b)(2)(C)					
ED may approve alternative buffer zone requirements based on demonstration that;	330.543(b)(3)					
Prescribed standards are not feasible	330.543(b)(3)(A)					
Specific engineered design alternative	330.543(b)(3)(B)					
Consistent with goal of visual screening	330.543(b)(3)(B)(i)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Access for emergency response, maintenance, & monitoring	330.543(b)(3)(B)(ii)					
Equivalent control of odor & windblown waste	330.543(b)(3)(B)(iii)					
Sufficient distance to meet drainage & sediment control requirements	330.543(b)(3)(B)(iv)					
No solid waste disposal permitted in the 100yr. floodway	330.547(a)					
Facility shall not restrict the flow, reduce storage capacity, or result in washout. See Flood Control & Analysis	330.547(b)					
Processing unit located outside of 100yr. floodplain unless demonstration provided showing flood protection or submit CLOMA from FEMA	330.547(c)					
If located over Edwards Aquifer recharge zone then facility subject to Chapter 213. Type I & IAE are prohibited over recharge zone	330.549(a)					
New Class 1 cells or expansions must comply with location restrictions 335.584(b)(1)&(2) unless demonstration approved by ED	330.549(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Landfill & processing units shall not be located in wetlands unless demonstrations (1) - (5) are submitted. Once approved demonstration becomes part of operating record	330.553(a) & (b)					
Demonstrate that there is no practicable alternative location for the landfill	330.553(b)(1)					
Construction & operation shall not cause or contribute to violations of state water quality standards, violate toxic effluent standard or prohibition under CWA, 307, jeopardize endangered species or habitat, or violate requirement under the Marine protection, Research, & Sanctuaries Act	330.553(b)(2) (A) – (D)					
Demonstrate the integrity of landfill unit by addressing erosion, stability, & migration potential of native wetland soils & dredge & fill material used, the volume & chemical nature of waste, impact on fish & wildlife & their habitat, potential effects of catastrophic release, & any additional factors	330.553(b)(3) (A) – (F)					
Attempt to achieve no net loss of wetlands, minimize impact, & offset impacted wetlands	330.553(b)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Provide sufficient info. to ED to make a determination	330.553(b)(5)					
No landfill units within 200 ft. of fault with recent displacement, unless alternate setback distance demonstration approved by ED	330.555(a)					
Seismic Impact Zones If located in a seismic impact zones, applicant must provide demonstration that design can resist acceleration, demonstration becomes part of operating record	330.557					
Unstable Areas If unstable areas exist, applicant must demonstrate that design will not be impacted, demonstration becomes part of operating record, factors for determining unstable areas in Geology Report, Pg 24	330.559					
General Facility Design	330.63(b)					
Facility access controls, fences, gates, etc.	330.63(b)(1)					
Waste Movement	330.63(b)(2)					
Flow diagram for process and/or disposal sequence	330.63(b)(2)(A)					
Schematic view drawings of process and/or disposal phases	330.63(b)(2)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Ventilation & odor control of each unit	330.63(b)(2)(C)					
Construction details of storage, processing units & components, dimensions, capacity, materials used, etc.	330.63(b)(2)(D)					
Construction details of slab & subsurface supports	330.63(b)(2)(E)					
Engineering designs for containment of storage, processing, unloading, calculations with freeboard	330.63(b)(2)(F)					
Plan for storage of grease, oil, sludge, max time waste on-site, details of off-site disposal	330.63(b)(2)(G)					
Details of effluent disposal	330.63(b)(2)(H)					
Transfer stations – provide details of noise pollution control	330.63(b)(2)(I)					
Sanitation Processing facility designed for proper cleaning	330.63(b)(3)					
Surface drainage control for treatment areas	330.63(b)(3)(A)					
Construction material used that can be cleaned	330.63(b)(3)(B)					
Equipment for cleaning with water or steam	330.63(b)(3)(C)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Floor drains and/or sumps	330.63(b)(3)(D)					
Water pollution control – description of proper disposal of liquids resulting from waste processing, details for treatment of wastewater	330.63(b)(4)					
Endangered species protection – describe how facility will be designed to protect species	330.63(b)(5)					
Surface Water Drainage Report Provide compliance with 330.303 statement, for landfills & compost units submit drainage report per Subchapter G	330.63(c)					
Management of run-on, run-off during 25-year rainfall event	330.303(a)					
Drainage control for treatment areas	330.303(b)					
Drainage requirements for landfills Drainage patterns not altered	330.305(a)					
Prevention of 25yr rain run-on to active face	330.305(b)					
Collect & control 24hr, 25yr run-off of active face	330.305(c)					
Erosion control of all surfaces during life & post-closure	330.305(d)					
Estimated peak velocities	330.305(d)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Designed to minimize erosion, soil loss calculations	330.305(d)(2)					
Engineered design of drainage structures, grading to prevent erosion, long term low maintenance stability	330.305(e)					
Maintain & repair collection, drainage, & storage units	330.305(e)(1)					
Interim erosion control for phased development	330.305(e)(2)					
Assessment of drainage characteristics, proposed & existing	330.305(f)					
Calculations for areas 200 acres or less	330.305(f)(1)					
Calculations for areas > 200 acres	330.305(f)(2)					
Storage, treatment, & disposal of contaminated surface or groundwater per 330.207 (see floodplain analysis below), size, location, & method of storage	330.305(g)					
Drainage Analysis	330.63(c)(1)					
Drainage area drawings & calculations, show 100yr floodplain per 330.63(c)(2)(A)	330.63(c)(1)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Drainage area designs including cross-sections, ditch grades, flow rates, water elevations, velocities, flowline elevations	330.63(c)(1)(B)					
Calculations verifying drainage patterns not adversely altered	330.63(c)(1)(C)					
Hydrologic method & calculations used to estimate peak flow rates	330.63(c)(1)(D)					
Source of data, parameters, & method used for 25yr rainfall	330.63(c)(1)(D)(i)					
Hydraulic calculations for sizing collection, detention, & drainage features	330.63(c)(1)(D)(ii)					
Discussion of existing drainage patterns & landfill development	330.63(c)(1)(D)(iii)					
Structural designs of collect, storage, & drainage features	330.63(c)(1)(D)(iv)					
Flood Control & Analysis Include floodplain map	330.63(c)(2)					
Identify whether site is in 100yr floodplain, show floodplain on drawing under 330.63(c)(1)(A)	330.63(c)(2)(A)					
Source of data for floodplain determination, FEMA &/or calculations, show site boundary on floodplain map	330.63(c)(2)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Floodplain levels, cross-sections of levees tied to contours, data required by 301.33 – 301.36	330.63(c)(2)(C)					
Provide maps, drawings, narrative	301.33(a)					
Location & extent of site, map superimposed on USGS 7.5 or contour map	301.33(a)(1)					
Name, course flow direction of affected river(s)	301.33(a)(2)					
Location & ownership of existing levees, channels, dams, etc. that may be affected	301.33(a)(3)					
Location & ownership of property within protected areas on a map, mailing address of property owners	301.33(a)(4)(A)					
List of potentially affected adjacent property owners for notice	301.33(a)(4)(B)					
Flood data required	301.33(b)					
Design based on minimum 100yr flood, ED may require additional design conditions based on risk, flood data supporting design	301.33(b)(1)					
Effects on existing conditions, pre & post design flood surface elevation profiles	301.33(b)(2)					
Comparable levees on opposite side of stream if plausible	301.33(b)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Structural integrity must withstand waters	301.34(1)					
Consideration of overtopping or undermining of flood control designs	301.34(2)					
Design shall not increase flooding such that it endangers others	301.34(3)					
Consideration of third party protection	301.34(4)					
Flood control designed with consideration of topography, hydrographic conditions, & other flood control features	301.34(5)					
3 ft. freeboard for protection of developed areas, 2 ft. freeboard for protection of agricultural areas, determination of additional freeboard if required	301.34(6)					
ED may require additional info.	301.35					
PE designed, signed & sealed	330.57(f) & 301.36					
If constructed in a floodplain, submit (i) – (iv)	330.63(c)(2)(D)					
Approval from govern. entity with jurisdiction under TWC 16.236	330.63(c)(2)(D)(i)					
Floodplain development permit	330.63(c)(2)(D)(ii)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
CLOMA from FEMA	330.63(c)(2)(D)(iii)					
Dredge or fill permit from Corps	330.63(c)(2)(D)(iv)					
Waste Management Unit Design Check PE seals on drawings	330.63(d)					
Storage & transfer units - designed for rapid processing, waste with potential health hazard stored indoors only, continuous operations shall not create nuisance odors, breed flies, or vectors	330.63(d)(1)(A)					
Designed to control spills & contaminated water, worse case, containment of 24hr, 25yr rainfall	330.63(d)(1)(B)					
Specify max time processed or unprocessed waste remains on-site	330.63(d)(1)(C)					
Incineration units – waste feed rate, testing & disposal of ash, estimate volume of quench water and disposal of such water	330.63(d)(2)					
Surface impoundments – design specifications, plan view, cross-section	330.63(d)(3)(A)					
Specify minimum freeboard maintained to prevent overtopping, must include 24hr, 25yr rainfall	330.63(d)(3)(B)					
Provide liner quality control plan per 330.339	330.63(d)(3)(C)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Landfill units – specify provisions for all-weather operations & access from public roads, location & surface types of roads, minimize tracking of mud	330.63(d)(4)(A)					
Proposed landfilling method	330.63(d)(4)(B)					
Elevation of excavation, waste & final cover	330.63(d)(4)(C)					
Rate of disposal, operating life	330.63(d)(4)(D)					
Unit cross-sections with elevations showing top of levee, fill, final cover, existing ground, excavation, side slopes, gas vents & GW wells with initial & static water levels. Plan view as inset key map. cross-sections shall go through borings or very near	330.63(d)(4)(E)					
Compacted perimeter or toe berms associated with aerial fill shall be on fill cross-sections	330.63(d)(4)(F)					
Liner Quality Control Plan per 330.339	330.63(d)(4)(G)					Type IAE & IVAE exempt
Prepared by a PE & must include construction methods, engineering practices & the installation & testing of geomembrane, if used. PE must seal maps & drawings.	330.57(f) & 330.339(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Liner details depicted on a cross-section for a typical cell showing slopes, width, thickness. Compaction expressed as a % of lab density	330.339(a)(1)					
Quality control procedures, test frequency shall be included. Field sampling & tests performed by PE. PE or rep. must be on-site during construction	330.339(a)(2)					
Plan shall provide guidance to POR for soil liners	330.339(b)(1)					
Specify materials, equipment, & construction methods for compaction of clay soil	330.339(b)(2)					
Details of overexcavation & recompaction of in-situ or borrow source depicted on a cross-section	330.339(b)(2)(A)					
Procedures for excavations, cells, disposal areas extending into GW per 330.337	330.339(b)(2)(B)					
Type IV landfills may be required to meet provisions of 330.337 at ED's discretion	330.337(a)					
Type I landfills must demonstrate that liner will not undergo uplift by one of the following methods	330.337(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Calculations demonstrating that the weight of liner & any ballast offset uplift by a factor of 1.2	330.337(b)(1)					
Active or passive dewatering to reduce hydrostatic forces by a factor of 1.2 including supporting calculations	330.337(b)(2)					
Demonstration that formation is poorly permeable & GW cannot exert force on liner	330.337(b)(3)					
Seasonal high GW is below planned excavation	330.337(b)(4)					
Ensure liner stability during filling through dewatering &/or ballasting approved by ED	330.337(c)					
Leachate collection system capable of handling leachate and groundwater inflow, calculations for max GW inflow	330.337(d)					
Before excavating below water table, perform foundation evaluation considering stability, settlement, & constructability	330.337(e)					
Liner quality control plan shall include the following	330.337(f)					
Methods & tests used to verify liner will not uplift during construction & ballast placement	330.337(f)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Measurements & tests verifying ballast meets criteria including inspections, compaction, weight, density, thickness, & top elevation	330.337(f)(2)					
Dewatering system operated until approved by ED	330.337(g)					
Waste may be used as ballast with ED approval & operating plan shall include the following	330.337(h)					
First 5 ft. or thickness of ballast contains no brush or large items	330.337(h)(1)					
If waste as ballast, then a 40,000 lbs. compactor or equivalent used to achieve a 1,200 lbs./yard density & must meet a factor of safety of 1.5	330.337(h)(2)					
The plan shall include methods for verifying waste as ballast compaction density unless a 40,000 lbs. compactor used	330.337(h)(3)					
The ballast evaluation report shall verify either a 40,000 lbs. compactor was used or 1,200 lbs./yard density was achieved	330.337(h)(4)					
Seasonal high water table shall be adjusted upward as new data is collected	330.337(i)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Submit ballast evaluation report upon completion of placement. If ED does not respond within 14 days, discontinue dewatering or ballasting. The report shall include the following	330.337(j)					
Verification that the liner did not undergo uplift	330.337(j)(1)					
Certification that ballasting met the criteria	330.337(j)(2)					
Signature & seal of PE & signature of permittee or rep.	330.337(j)(3)					
Installation methods, quality control testing, reporting, for placement of geomembrane	330.339(b)(3)					
Soil quality control testing & procedures per ED's guidelines	330.339(c)					
Field sampling & testing, both during & after construction performed by PE	330.339(c)(1)					
Continuous on-site inspection during construction by PE or rep.	330.339(c)(2)					
Compaction expressed as % of max dry density based on compaction test specified by PE, Proof of permeability at 10^{-7} cm/sec by lab tests	330.339(c)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Define frequency of testing expressed in no. of tests per area per lift unless proved by ED. Include all tests per (A) – (E)	330.339(c)(4)					
Permeability, sieve analysis, Atterberg limits, moisture-density relationships, moisture content, & thickness verification	330.339(c)(4) (A) – (E)					
Soils used for compacted liner must have following minimum values verified by testing	330.339(c)(5)					
Plasticity index > or = 15, liquid limit > or = 30, % passing 200 sieve > or = 30%, % passing 1 in. sieve = 100%, permeability < or = $1x10^{-7}$ cm/sec	330.339(c)(5) (A) –(E)					
Construction permeability tests performed per 330.339(c)(4)(A), field quality control provided by field density based on predetermined moisture-density compaction curves, Atterberg limits, & lab permeabilities	330.339(c)(6)					
Floor permeabilities per ASTM D5093 & sidewall permeabilities per a variation of Boutwell STEI	330.339(c)(7)					
All quality control tests performed during construction	330.339(c)(8)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
All soil tests must be complete prior to installing leachate collection system or protective cover	330.339(c)(9)					
Density shall be expressed as a % of max dry density at corresponding optimum moisture content & must demonstrate a permeability of $1x10^{-7}$ cm/sec	330.339(d)					
Constructed soil liners shall be keyed into a formation of sufficient strength to ensure stability, unless approved by ED	330.339(e)					
Each SLER must be prepared per the liner quality control plan unless approved by ED	330.339(f)					
Liner compacted with a pad/prong footed roller only, max clod size = 1 in.	330.339(g)					
Liner material contains no rocks > 1 in. & not > 10% by weight	330.339(h)					
AE Landfill Applications Provide certification that includes:	330.63(d)(5)					
Statement certifying that facility meets 330.5(b);	330.63(d)(5)(A)					Include 50ft. separation between Type I & Type IV units per 330.5(b)(2)

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Documentation of annual average of 20 tons/day of type I &/or type IV waste;	330.63(d)(5)(B) 330.5(b)(1)(A)					
No evidence of GW contamination from the facility	330.5(b)(1)(B)					
Documentation of no practicable waste management alternatives by one of the following	330.63(d)(5)(C) 330.5(b)(1)(C)					
Cost exceeds 1.0% of budget, or	330.63(d)(5)(C)(i)					
Hauling distance too long, or	330.63(d)(5)(C)(ii)					
Other alternatives are not feasible given location & economics	330.63(d)(5)(C)(iii)					
Documentation that annual average precipitation <25in. over recent 30yr reporting period	330.63(d)(5)(D) 330.5(b)(1)(D)					Applies to AE Landfills
Geology Report Prepared & signed by qualified groundwater scientist, provide sources & references. For AE landfills - see soil boring guidance document	330.57(f) & 330.63(e)					AEs are exempt from geology report except for 330.63(e)(4), (e)(4)(A), & (e)(6)
Description of the regional geology	330.63(e)(1)					
Geologic map, description of stratigraphy & lithology	330.63(e)(1)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Description of stratigraphic column from base of lowermost aquifer or 1,000 ft. to land surface, geologic age, lithology, thickness, depth, hydraulic conductivity, etc. described, provide stratigraphic cross-sections	330.63(e)(1)(B)					
Description of geologic active processes, faulting, subsidence, etc. per 330.555(b) & 330.559	330.63(e)(2)					
For subsidence or active faulting provide fault study, if active fault within ½ mile applicant must investigate unknown faults, withdrawal of oil, gas or groundwater applicant must investigate subsidence, study by PE or PG must include zone of influence & items (1) – (12)	330.555(b)					
Structural damage to roads, buildings, etc.	330.555(b)(1)					
Scarps in natural ground	330.555(b)(2)					
Surface depressions	330.555(b)(3)					
Lineations on aerial photographs	330.555(b)(4)					
Structural control of streams	330.555(b)(5)					
Vegetation changes	330.555(b)(6)					
Oil and gas accumulation	330.555(b)(7)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Electrical spontaneous potential & resistivity logs	330.555(b)(8)					
Earth electrical resistivity surveys	330.555(b)(9)					
Visual examination of open cell excavations	330.555(b)(10)					
Change in elevation of established benchmarks	330.555(b)(11)					
References to published geological literature of area	330.555(b)(12)					
Factors for determining unstable areas	330.559					
Local soil conditions & differential settling	330.559(1)					
Local geology & geomorphology	330.559(2)					
Local human-made features or events	330.559(3)					
Description of regional aquifers	330.63(e)(3)					
Aquifer names & association with geological units described in 330.63(e)(1) (*corrected citation*)	330.63(e)(3)(A)					
Composition of the aquifer	330.63(e)(3)(B)					
Hydraulic properties of the aquifer	330.63(e)(3)(C)					
Is aquifer under water table or artesian conditions?	330.63(e)(3)(D)					
Hydraulic connectivity of aquifers	330.63(e)(3)(E)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Regional water table contour or potentiometric map of each aquifer	330.63(e)(3)(F)					
Estimated rate of groundwater flow	330.63(e)(3)(G)					
Range of values for total dissolved solids of each aquifer	330.63(e)(3)(H)					
Recharge areas within 5 miles	330.63(e)(3)(I)					
Present use of groundwater, ID, location, & aquifer of each well within one mile	330.63(e)(3)(J)					
Results of subsurface investigations, all borings including map showing location & elevation of borings, borings must include detailed description of materials encountered & in the form of a log including log no., surface elevation, location, key explaining symbols, etc., all borings approved by ED prior to drilling	330.63(e)(4)					Applies to Type IAE & IVAE facilities per 330.57(a)
Sufficient no. of borings to characterize subsurface geology	330.63(e)(4)(A)					Applies to Type IAE & IVAE facilities per 330.57(a)

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Borings sufficiently deep for identifying uppermost aquifer, hydraulically connected aquifers, underlying aquiclude, all borings at least 5ft. below excavation & a number of them 30ft. below, if no aquifer within 50ft. of excavation, then one to the 1st perennial aquifer	330.63(e)(4)(B)					
Borings conducted per field exploration methods, investigation procedures	330.63(e)(4)(C)					
Installation, abandonment, plugging per rules	330.63(e)(4)(D)					
Number of boring & depth modified with ED approval	330.63(e)(4)(E)					
Electrical resistivity to reduce no. of borings with ED approval	330.63(e)(4)(F)					
Boring cross-sections depicting stata at the site	330.63(e)(4)(G)					
Interpretation narrative of subsurface	330.63(e)(4)(H)					
Geotechnical properties of subsurface soil materials, suitability of soil & strata, geotechnical test procedures & testing per industry standards	330.63(e)(5)					
Lab report of soil characteristics for stratum composing side & bottom of excavation & 30ft. below, at least one sample per stratum	330.63(e)(5)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Permeability tests, no distilled water, sidewall samples test horizontal perm., all others vertical perm., provide perm. calculations	330.63(e)(5)(B)					
Constant head w/ back pressure	330.63(e)(5)(B)(i)					
Falling head	330.63(e)(5)(B)(ii)					
Sieve analysis	330.63(e)(5)(B)(iii)					
Atterberg limits	330.63(e)(5)(B)(iv)					
Moisture content	330.63(e)(5)(B)(v)					
Groundwater depths, both initial & stagnant per boring, water levels on cross-sections required by 330.63(e)(4)(G) & on boring logs & in table format	330.63(e)(5)(C)					
Water levels in monitoring wells, historical water levels in table format for each monitoring well	330.63(e)(5)(D)					
Tabulation of GW monitoring data on-site or adjacent units	330.63(e)(5)(E)					
Identification of uppermost aquifer & connected aquifers including flow direction & rate	330.63(e)(5)(F)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
AE landfills – groundwater certification per 330.5(b)	330.63(e)(6)					Applies to Type IAE & IVAE facilities per 330.57(a)
Facility location on topo map including one mile radius line	330.63(e)(6)(A)					
Physically locate wells & springs & plot on topo map	330.63(e)(6)(B)					
If no wells, then go to 330.63(e)(6)(I)	330.63(e)(6)(B)(i)					
Determine which wells are in the shallowest aquifer. If no wells in shallowest aquifer or aquifer is >150ft. below land surface go to 330.63(e)(6)(I)	330.63(e)(6)(B)(ii)					
Determine gradient of shallowest aquifer	330.63(e)(6)(C)					
Determine the 2 nearest wells/springs downgradient & one unaffected well/spring upgradient or lateral	330.63(e)(6)(D)					
Sample the 3 wells/springs for;	330.63(e)(6)(E)					
Chloride, nitrate (as N), sulfate, TDS, specific conductance, pH, chromium, non-purgeable organic carbon, & VOCs listed in 330.419	330.63(e)(6)(E)(i) – (ix)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
If not able to sample wells/springs identified in (C) & (D), then determine alternate wells. If few available, then sample what is available	330.63(e)(6)(F)					
If not able to sample any wells/springs, then submit written documentation of that fact, ED will confirm	330.63(e)(6)(G)					
Compile sampling data in a report including;	330.63(e)(6)(H)					
Map showing known wells, springs, facility boundary, sampling points	330.63(e)(6)(H)(i)					
Map showing GW gradient & data points	330.63(e)(6)(H)(ii)					
Chemical analysis & method	330.63(e)(6)(H)(iii)					
Logs & construction info. for sampled wells & description & flow rate of sampled springs	330.63(e)(6)(H)(iv)					
Description of investigation methods	330.63(e)(6)(H)(v)					
Conclusion with respect to presence or lack of groundwater contamination	330.63(e)(6)(H)(vi)					
Where no wells are present or aquifer is >150ft. below land surface, then report methods used to determine the lack of sampling points	330.63(e)(6)(I)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
AE Geology report signed & sealed by qualified GW scientist	330.57(f) & 330.63(e)(6)(J)					
If no evidence of groundwater contamination by landfill, then qualified GW scientist signs & seals statement (see rule for statement text)	330.63(e)(6)(K)					
ED may accept other info. regarding lack of groundwater contamination	330.63(e)(6)(L)					
Groundwater Sampling & Analysis Plan landfills submit Subchapter J, compost operations submit 332.47(6)(C)(ii)	330.63(f)					AE exempt
Provide topo map delineating waste area, property boundary, point of compliance, & GW monitoring wells	330.63(f)(1)					
Description of any contamination plume from the unit	330.63(f)(2)					
Delineation of contaminate plume on topo map	330.63(f)(2)(A)					
Concentration of each assessment constituent in the plume	330.63(f)(2)(B)					
Analysis of most likely pollutant pathway, include any GW modeling data & results per 330.403(e)(2), consideration of GW flow changes from construction	330.63(f)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Sealed plans & engineer report describing monitoring program that meets 330.403	330.63(f)(4)					
If haz. constituents in 40 CFR 258 & 330.419 have not been detected, submit info., supporting data, analyses to establish detection monitoring program per 330.407	330.63(f)(5)					
Proposed GW monitoring system	330.63(f)(5)(A)					
Background values for all constituents or procedures for calculating background	330.63(f)(5)(B)					
Description of sampling, analysis, & statistical procedures	330.63(f)(5)(C)					
If hazardous constituents are present, submit info., supporting data, analyses to establish assessment monitoring program per 330.409 & address the following	330.63(f)(6)					
Description of any special waste handled at the facility	330.63(f)(6)(A)					
Characterization of contaminated GW & constituent concentrations	330.63(f)(6)(B)					
List of assessment constituents	330.63(f)(6)(C)					
Plans & engineering report describing GW monitoring system	330.63(f)(6)(D)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Description of sampling, analysis, & statistical procedures	330.63(f)(6)(E)					
If hazardous constituent concentrations exceed established limits submit info., supporting data, analyses to establish corrective action program per 330.411 & 330.413 & address the following	330.63(f)(7)					
Characterization of contaminated GW & constituent concentrations	330.63(f)(7)(A)					
Concentration limits for each constituent	330.63(f)(7)(B)					
Plans & engineering report describing corrective action	330.63(f)(7)(C)					
Description of how monitoring system will demonstrate adequacy of corrective action	330.63(f)(7)(D)					
Schedule for submitting info. required by (C) & (D)	330.63(f)(7)(E)					
Is the facility exempt from groundwater monitoring?	330.401(b)					
No potential hazardous constituent migration demonstration approved by ED	330.401(d)					
Site specific data affecting contaminant fate & transport	330.401(d)(1)					
Contaminant fate & transport predictions	330.401(d)(2)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
New units submit certification of compliance with GW monitoring requirements	330.401(e)					
GW monitoring throughout life & post-closure	330.401(f)					
GW monitoring system with sufficient no. of wells, location, depth to yield representative GW samples	330.403(a)					
Background wells used to determine background GW quality	330.403(a)(1)					
Point of compliance wells not >600 ft. unless modeling demonstration approved	330.403(a)(2)					Type IV exempt
Multi-unit GW monitoring system may be approved based on;	330.403(b)					
No., spacing, orientation of units within overall area	330.403(b)(1)					
Hydrogeologic setting	330.403(b)(2)					
Site history	330.403(b)(3)					
Engineering design of units	330.403(b)(4)					
Type of waste accepted at units	330.403(b)(5)					
ED may approve alternative GW monitoring system	330.403(c)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
GW monitoring system designed to be operated & maintained throughout life of program	330.403(d)					
GW monitoring system certification within 14 days & copy in operating record, all components reviewed & approved prior to construction	330.403(e)					AE exempt
Monitoring system based on site-specific technical info.	330.403(e)(1)					
Multi-dimensional fate & transport model may be used to support sampling point locations including	330.403(e)(2)					
documentation of models ability to represent GW flow & contaminant transport	330.403(e)(2)(A)					
Sound set of equations based on accepted theory	330.403(e)(2)(B)					
Numerical solution methods based on mathematical principals with verification & checking techniques	330.403(e)(2)(C)					
Calibrated against site-specific field data	330.403(e)(2)(D)					
Sensitivity analysis for major parameters	330.403(e)(2)(E)					
Show mass-balance calculations	330.403(e)(2)(F)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Based on field or lab measurements that document validity of parameter values	330.403(e)(2)(G)					
Notification to ED, local agencies, of on-site/off-site changes that affect direction & rate of GW flow & monitoring system	330.403(e)(3)					
Sampling & analysis procedures that ensure accurate results of GW quality	330.405(a)					Applies to Type IV LFs
Submit GW sampling & analysis plan prior to operations, copy in operating record	330.405(b)					All of 330.405(b) applies to Type IV LFs
Procedures for sample collection, preservation & shipping, analytical procedures, COC control, & QA/QC	330.405(b)(1)					
GW elevations measured at each point, sample from high to low elevations unless contaminated, sample un-contaminated points prior to contaminated points	330.405(b)(2)					
Sampling & analysis methods	330.405(b)(3)					
Type I landfills – collect samples necessary to establish GW quality data consistent with statistical procedures for detection, assessment, corrective measures	330.405(b)(3)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Type IV landfills – sample GW parameters at frequency specified in 330.417	330.405(b)(3)(B)					
Other units having monitoring program, ED will specify parameters & frequency	330.405(b)(3)(C)					
GW samples will not be field filtered prior to analysis	330.405(c)					Applies to Type IV LFs
Establish background GW quality for detection parameters	330.405(d)					Applies to Type IV LFs
Specify 1 or more statistical methods used to evaluate detection/assessment parameters	330.405(e)					
Parametric analysis of variance followed by multiple comparison procedures, contrast between well's mean & background mean	330.405(e)(1)					
Analysis of variance based on ranks followed by multiple comparison procedures, contrast between well's median & background median	330.405(e)(2)					
Tolerance or prediction interval procedures	330.405(e)(3)					
Control chart approach	330.405(e)(4)					
Other method meeting standards listed under 330.405(f)	330.405(e)(5)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Statistical method chosen under 330.405(e) shall comply with the following	330.405(f)					
Statistical method appropriate for the distribution	330.405(f)(1)					
If individual sampling point comparison to background or GW protection standard is used, test shall be done at Type I error level not <0.01. If multiple comparison used, testing period shall be not <0.05 & maintain Type I error level <0.01. Not used for tolerance, prediction, or control charts	330.405(f)(2)					
If control chart is used, specific type of chart & its parameters must be protective, consider no. of samples, distribution, & concentration range	330.405(f)(3)					
Tolerance or prediction intervals used, the level of confidence or percentage of the population the interval must contain must be protective, consider no. of samples, distribution, & concentration range	330.405(f)(4)					
Statistical method shall account for data below detection & be protective, practical quantitation limit shall be lowest reliably achievable within precision & accuracy	330.405(f)(5)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Statistical method shall control or correct for seasonal, spatial variability & temporal correlation in data	330.405(f)(6)					
Monitoring frequency semiannual	330.407(a)					
Minimum of four statistically independent samples collected quarterly unless approved, background may be updated every 2 yrs. with representative of background demonstration	330.407(a)(1)					
ED may approve alternative sampling frequency but not less than annual	330.407(a)(2)					
For establishing background, ED may consider previous data	330.407(a)(3)					
Notification of SSI to ED within 14 days of the 60-day SSI determination	330.407(b)					
If SSI determined, notice to operating record & assessment monitoring program within 90 days, or the following	330.407(b)(1)					
Resampling within 60 days of SSI determination and/or	330.407(b)(2)					
Submit alternative source demonstration including	330.407(b)(3)					
notification to ED & any local agency, within 14 days of the 60-day SSI determination, of the intent to submit ASD	330.407(b)(3)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Submit ASD report to ED & any local agency, within 90 days of the SSI determination, certified by a qualified GW scientist	330.407(b)(3)(B)					
No filtering of samples for ASD, ED may require leachate analyses to support ASD	330.407(b)(3)(C)					
Continue detection monitoring program	330.407(b)(3)(D)					
If no ASD satisfactory to the ED within 90 days of notice, then assessment monitoring. ED may require additional point of compliance wells	330.407(b)(4)					
Submit annual detection monitoring report within 90 days of last sampling even that includes the following	330.407(c)					
Statement regarding occurrences of SSIs	330.407(c)(1)					
GW monitoring results, background GW quality, statistical calculations, graphs, & drawings	330.407(c)(2)					
GW flow rate & direction based on detection sampling water elevations, any supporting documentation	330.407(c)(3)					
Piezometeric water level contour map and supporting documentation	330.407(c)(4)					
Recommendations for any changes	330.407(c)(5)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Any other info. required by ED	330.407(c)(6)					
If detection monitoring program no longer satisfies 330.407, submit permit amendment or mod within 90 days to make changes	330.407(d)					
Assessment monitoring required if SSI is determined	330.409(a)					
Within 90 days of SSI determination, sample Appendix II & on each sampling event. If new constituent detected, establish background. ED may approve subset of wells & constituents based on a "not derived from" demonstration	330.409(b)					
ED may approve alternative frequency for sampling Appendix II based on the following	330.409(c)					
Lithology, hydraulic conductivity of the aquifer & unsaturated zone	330.409(c)(1)					
Groundwater flow rate	330.409(c)(2)					
Minimum distance of travel to point of compliance	330.409(c)(3)					
Resource value of uppermost aquifer	330.409(c)(4)					
Fate & transport of constituents	330.409(c)(5)					
Submit Appendix II results within 60 days, copy in operating record	330.409(d)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Within 90 days of reporting Appendix II results & semiannually, sample all wells for Appendix I & any new constituent detected from Appendix II. Submit results within 60 days & copy operating record, ED may specify alternative frequency	330.409(d)(1)					
Establish background for additional Appendix II constituents detected	330.409(d)(2)					
Establish groundwater protection standards per (h) or (i)	330.409(d)(3)					
If concentrations at or below background for 2 consecutive sampling events, notify ED & return to detection monitoring	330.409(e)					
If concentrations are above background but below GW protection standards, continue in assessment monitoring	330.409(f)					
Within 60 days after sampling event determine if concentration is statistically above GW protection standards. If exceeded notify the ED & local government within 7 days	330.409(g)					
Owner, operator shall also:	330.409(g)(1)					
Characterize nature, extent of release by installing additional wells as necessary	330.409(g)(1)(A)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Install wells adjacent to well with exceedence before next sampling event & sample new well for Appendix I & additional constituents from Appendix II	330.409(g)(1)(B)					
Notify landowners with property over plume	330.409(g)(1)(C)					
Initiate assessment of corrective measures within 90 days of notice to ED	330.409(g)(1)(D)					
Owner, operator may submit ASD & must include the following	330.409(g)(2)					
Within 14 days of exceedence determination, notify ED of the intent to submit ASD	330.409(g)(2)(A)					
Submit certified ASD report within 90 days of exceedence determination	330.409(g)(2)(B)					
No filtering of samples for ASD, ED may require leachate analyses to support ASD	330.409(g)(2)(C)					
Continue assessment monitoring program	330.409(g)(2)(D)					
If ASD accepted continue in assessment monitoring, otherwise implement assessment of corrective measures	330.409(g)(3)					
If assessment monitoring program no longer satisfies 330.409, submit permit amendment or mod within 90 days to make changes	330.409(g)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Establish GW protection standards for Appendix II constituents	330.409(h)					
Maximum contaminant level (MCL)	330.409(h)(1)					
If no MCL promulgated, then background concentration level	330.409(h)(2)					
If background higher than MCL or health-based level, then use background	330.409(h)(3)					
ED may establish GW protection standards	330.409(i)					
Submit annual assessment monitoring report within 60 days of sampling event including the following	330.409(k)					
Statement of any exceedences of GW protection standards & the status of the exceedence	330.409(k)(1)					
GW monitoring results, summary of background, statistical calculations, graphs & drawings	330.409(k)(2)					
GW flow rate & direction based on data from sampling events, supporting documentation	330.409(k)(3)					
Piezometeric water level contour map and supporting documentation	330.409(k)(4)					
Recommendations for any changes	330.409(k)(5)					
Any other info. required by ED	330.409(k)(6)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
GW Monitoring at Type IV Landfills ED may require installation and monitoring	330.417(b)					330.417 is only for Type IV landfills
ED considers factors: relationship to drinking water intake, hydrogeology of water-bearing zones, use of groundwater, type of waste, type of liner, likelihood of leakage, protection of human health & environment	330.417(b)(1)					
Monitoring system installed per 330.403 except spacing required by 330.403(a)(2)	330.417(b)(2)					
Groundwater sampling and analysis requirements per 330.405(a) - (d)	330.417(b)(3)					
Sampled & analyzed annually for chloride, iron, manganese, cadmium, zinc, TDS, specific conductance, pH, & non-purgeable organic compounds	330.417(b)(4)					
60 days after sampling event determine if release has occurred & submit report that includes the following:	330.417(b)(5)					
Monitoring results, a summary of background, statistical calculations, GW flow rate & direction & supporting documentation, a piezometric contour map & supporting data, recommendations for any changes, & info. requested by ED	330.417(b)(5)(A) - (E)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
ED may require additional sampling, constituents, sampling points, hydrogeological investigations	330.417(b)(6)					
If contamination occurs, ED may require corrective action per 330.411, 413, & 415	330.417(b)(7)					
Constituents for Detection Monitoring Sample constituents listed in Appendix I, 40 CFR Part 258	330.419(a)					
ED may delete constituents from Appendix I if constituent not likely to be derived from waste	330.419(b)					
ED may establish alternative inorganic list, add organic or inorganic constituents based on consideration of the following	330.419(c)					
Types, concentrations, quantities, persistence of waste constituents	330.419(c)(1)					
Mobility, stability, persistence of constituents & their reaction products	330.419(c)(2)					
Detectability of indicator & waste constituents & reaction products	330.419(c)(3)					
Concentrations & coefficients of variability of parameters	330.419(c)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Monitoring wells shall provide integrity, representative samples, prevent migration of water in bore hole, well construction must follow specification below unless approved by ED	330.421(a)					
Drilled by a qualified TX licensed drill & supervised by PG or PE	330.421(a)(1)(A)					
Drilling method shall not introduce contaminants. If fluid used in drilling, then use clean city water unless approved by ED. If water used provide analysis	330.421(a)(1)(B)					
Boring shall be at least 4 in. larger than casing. If boring in rock, a smaller annulus may be approved	330.421(a)(1)(C)					
Create log of boring, signed, sealed & dated by PG or PE	330.421(a)(1)(D)					
Casing, screen, filter pack, & seal:	330.421(a)(2)					
Casing specifications – 2 to 4 in., schedule 40 or 80 PVC, etc.	330.421(a)(2)(A)					
Screen specifications – no glue or solvents, no field-cut slots or filter cloth, etc.	330.421(a)(2)(B)					
Filter pack specifications – clean silica sand or glass, 1 to 4 ft. above screen, etc.	330.421(a)(2)(C)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Annular seal specifications – 2 ft. thick, placed in zone of saturation, etc.	330.421(a)(2)(D)					
Casing seal specifications – placed on top of annular seal, bentonite grout or cement-bentonite mix, etc.	330.421(a)(2)(E)					
Concrete pad specifications – structural type concrete, from casing seal to surface, etc.	330.421(a)(3)					
Protective collar specifications – steel collar around casing, set 1 ft. into surface pad, etc.	330.421(a)(4)					
Protective barrier specifications – 3 to 4 6-12 in. diameter pipes set in concrete, other types of barriers may be approved by ED	330.421(a)(5)					
When wells installed in unusual conditions, all aspects must be approved by ED	330.421(b)					
Development – remove artifacts of drilling, continue until field parameters stabilize	330.421(c)					
Well location & elevation surveyed, permanently marked	330.421(d)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Well installation report submitted within 60 days of completion including boring log, description of development procedures, any sample data & sit map showing location	330.421(e)					
Landfill Gas Management Plan Comply with Subchapter I	330.63(g)					
Methane concentration can not exceed 1.25% in facility structures	330.371(a)(1)					
Methane concentrations cannot exceed 5% in boundary wells, probes, subsurface soils, or other matrices	330.371(a)(2)					
Operator shall implement a routine methane monitoring program	330.371(b)					
Type & frequency of monitoring based on the following	330.371(b)(1)					
Soil, hydrogeologic, & hydraulic conditions, location of facility structures & boundaries, & location of utility & pipeline easements	330.371(b)(1) (A) – (E)					
Quarterly methane monitoring	330.371(b)(2)					
If methane concentrations exceed action levels, then the operator shall:	330.371(c)					
Immediately take action, notify ED, local officials, emergency officials, & the public	330.371(c)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Place notice in operating record including concentration & steps taken within 7 days of detection	330.371(c)(2)					
Implement remediation plan, copy operating record & ED indicating that plan has been implemented, within 60 days of detection. The plan shall describe nature & extent of problem & selected remedy	330.371(c)(3)					
ED may establish alternative schedule for monitoring & exceedence actions	330.371(d)					
Monitoring program shall continue for 30 yrs. after closure for Type I & IAE & 5 yrs. for Type IV & IVAE. Gas monitoring may be reduce with an approved no gas migration demonstration	330.371(e)					
Gas monitoring & control shall be revised & maintained, post-closure land use may not interfere with system & utilities crossing facility shall be vented & monitored	330.371(f)					
A gas management plan shall include the following	330.371(g)					
A description of how gas will be managed & controlled	330.371(g)(1)					
A description of systems, installation procedures, installation timeline, monitoring & maintenance procedures	330.371(g)(2)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Backup plan for breakdowns	330.371(g)(3)					
Install parameter monitoring network per the following	330.371(h)					
Initial monitoring at Type I, IAE, & landfills with no structures within 3,000 ft. may consist of portable equipment & probes. If concentrations > 0.5% detected, then install permanent system	330.371(h)(1)					
All other facilities must install a permanent system	330.371(h)(2)					
Monitoring network must include on-site buildings, subsurface vaults, utilities, etc.	330.371(i)					
Monitor all probes for methane, sampling for trace gases may be required by ED	330.371(j)					
Monitoring frequency shall be determined by the following	330.371(k)					
Monitoring shall be quarterly, more frequent monitoring may be required by ED upon notification	330.371(k)(1)					
More frequent monitoring required where gas migration is occurring or accumulating	330.371(k)(2)					
2006 revision supersedes any conflicting provisions in existing permits	330.371(l)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Closure Plan Comply with Subchapter K Landfill units – include final constructed contour map including internal drainage, side slopes, drainage entering & departing, 100-yr. flood areas. Cross-sections shall be provided	330.63(h)					
Type IV landfills - final cover consisting of not < 2ft., 18" clay-rich soil cover overlain by 6" erosion topsoil layer capable of sustaining native plants which must be seeded or sodded immediately	330.453(a) & (b)					
Above grade final cover slopes shall not exceed 25% unless approved by ED. Topmost portion of final cover shall be between 2% & 6%.	330.453(c)					
ED may approve alternative final cover that achieves equivalent reduction in infiltration & protection from wind & water erosion	330.453(d)(1) & (2)					Skipped 330.453(e) & 330.455 for pre-existing facilities
After completion of closure Type IV landfill shall comply with post-closure care per 330.463(a)	330.453(f)					
Install a final cover system consisting of not < 2ft., clay-rich soil cover overlain by erosion layer	330.457(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Landfill units with synthetic bottom liner, cover shall consist of synthetic membrane overlain by 18in. clay with permeability of not > $1x10^{-5}$. Membrane shall be 20 or 60 mil in case of HDPE	330.457(a)(1)					
Landfill units with no synthetic bottom liner, cover shall consist of 18in. clay with permeability < or = to perm. of bottom liner but not > $1x10^{-5}$.	330.457(a)(2)					
All landfill units the erosion layer shall consist of 6in. soil capable of native plant growth & shall be seeded immediately	330.457(a)(3)					
For Class 1 cell, cover shall consist of 4ft. clay with perm. not > $1x10^{-7}$ overlain by 18in. topsoil unless waste will be place over cell, then only 4ft. of clay with membrane in final cover of the aerial fill	330.457(b)					
Operator shall test 18in. clay for permeability at not < 1 test/acre of cover & submit data to ED	330.457(c)					
ED may approve alternative final cover that:	330.457(d)					
Achieves equivalent reduction in infiltration	330.457(d)(1)					
Provide equivalent wind & water erosion protection	330.457(d)(2)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Written closure plan describing steps necessary to close units at any time, plan must include the following	330.457(e)					
Description of final cover design & installation methods & procedures	330.457(e)(1)					
Estimate of the largest area needing final cover	330.457(e)(2)					
Estimate of max volume of waste ever on-site	330.457(e)(3)					
Schedule for completing closure activities (see implementation of closure below)	330.457(e)(4)					
PE sealed final contour map – establishing top & side slopes, surface drainage features, 100yr flood protection	330.457(e)(5)					
Implementation - copy of closure plan in operating record by initial receipt of waste	330.457(f)(1)					
45 days prior to initiation of closure activities, operator shall notify ED & copy operating record	330.457(f)(2)					
Operator shall begin closure no later than 30 days after final receipt of waste or if remaining capacity within 1 yr.	330.457(f)(3)					
Closure activities completed within 180 days of initiation	330.457(f)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Following completion operator shall comply with post-closure requirements per 330.463(b). Submit PE certification of closure by registered mail with supporting documentation. Once ED approved copy operating record	330.457(f)(5)					
Following receipt of closure documents & inspection report by region, ED may acknowledge termination of operation & closure & deem unit properly closed	330.457(f)(6)					
Submit certified copy of "Affidavit to the Public" per 330.19 & copy operating record within 10 days after closure. Operator shall record restriction notation to the deed per [330.955(b), (d) & (e) & 330.957(b)(2)(A)-(C) & (m)(1)(D)-(F) **corrected citation**], certified copy to ED & copy operating record	330.457(g)					
Closure Plan For Processing Facilities emove all waste, all recovered materials, dismantle or decontaminate processing units.	330.459(a)					
Evacuate all materials on-site & disinfect all leachate handling units, tipping areas, processing areas, & post-processing areas.	330.459(b)					
If there is evidence of a release, then ED may require an investigation, assessment, &/or corrective action.	330.459(c)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
For recycling facilities that store combustible materials outdoors or pose a significant risk must dispose of all processed & unprocessed material, &	330.459(d)(1)					
Complete closure within 180 days of receipt of material.	330.459(d)(2)					
Certification of Closure within 90 days, operator must provide public notice in newspaper and provide notice to the ED.	330.461(a)					330.461(a) through (d) applies to Type IV landfills even though 30 TAC 330.5(a)(2) does not refer to as being applicable.
Operator is required to post a sign indicating date of closure. Operator must provide access barriers to prevent unauthorized dumpling.	330.461(b)					
Within 10 days of final closure, the operator must submit to the ED the following:	330.461(c)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
If waste remains (**Landfill Units**), operator must provide affidavit to the public per 330.19 & 330.457(g). Operator must also record a certified notation on the deed to the facility property per 330.465, provide a copy to the ED, and place copy in operating record.	330.461(c)(1)					
Certification of final closure per closure plan signed by PE.	330.461(c)(2)					
For facilities not required to have post-closure care (**Processing Units**), provide voluntary revocation.	330.461(c)(3)					
Operator may request removal of deed if all waste is removed from the facility per 330.7(a).	330.461(d)					
Post-Closure Plan Prepared per Subchapter K [330.463(b)]	330.63(i)					Type V exempt
After PE certification of closure, conduct post-closure care for 5 yrs. Continue all monitoring & conduct corrective action if required	330.463(a)(1) - (3)					Applies to Type IV landfills
After PE certification of closure, conduct post-closure care for 30 yrs. & consist of the following	330.463(b)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Retain right of entry, maintain all rights-of-way, conduct maintenance &/or remediation, maintain final cover, vegetation, drainage & correct as needed	330.463(b)(1)(A)					
Maintain & operate leachate collection system	330.463(b)(1)(B)					
Maintain & monitor groundwater	330.463(b)(1)(C)					
Maintain & monitor methane gas	330.463(b)(1)(D)					
Continue earth electrical resistivity surveys per site development plan	330.463(b)(1)(E)					
Place copy of post-closure plan in operating record by initial receipt of waste. Plan shall include the following	330.463(b)(3)					
Description of monitoring & maintenance activities including frequency	330.463(b)(3)(A)					
Name, address, & phone number of responsible person	330.463(b)(3)(B)					
Description of the planned use of closured units per [330.955(b), (d) & (e) & 330.957(b)(2)(A)-(C) & (m)(1)(D)-(F) **corrected citation**]	330.463(b)(3)(C)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Dollar estimate of cost of post-closure care maintenance & any corrective action as described in post-closure care plan or by ED per Subchapter L	330.463(b)(3)(D)					
Certification of Completion of Post-Closure Submit certification of completion of post-closure signed by a PE.	330.465(a)					
Submit voluntary revocation.	330.465(b)					
Closure Cost Estimates Submit cost estimates for closure & post-closure care per Subchapter L. Existing facilities submit copy of financial assurance documentation per Chapter 37, Subchapter R. New facilities submit copy of financial assurance within 60 days prior to receipt of waste	330.63(j)					
Landfill Units Dollar estimate of hiring 3rd party to close area to be open the following year & any area that has not received final cover	330.503(a)					
Annual review of cost estimates required	330.503(a)(1)					
Increase cost estimate if changes to final closure plan or landfill conditions	330.503(a)(2)					
Reduction in cost estimate may be approved	330.503(a)(3)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Establish financial assurance per Chapter 37, Subchapter R	330.503(b)					
Processing Units Recycling facilities that store combustible materials outdoors or that pose a risk must provide cost estimates of hiring a 3rd party to close the facility.	330.505(a)(1)					
Estimate must equal the cost of closure including disposal of maximum inventory of material & waste, based on cost of hiring a 3rd party, and be base on cost of disposal in cubic yards or short tons.	330.505(a)(2) (A) – (C)					
Cost estimate & financial assurance must be increase if conditions change which increase the closure cost during life of the facility.	330.505(a)(3)					Skipped 330.505(a)(4) for reduction in estimate
Recycling facilities that store combustible materials outdoors or that pose a risk must maintain financial assurance per Chapter 37, Subchapter J.	330.505(b)(1)					
Financial assurance must be maintained until closure is approved by ED.	330.505(b)(2)					
Post-Closure Care Cost Estimates for Landfills provide estimate of cost of hiring a third party to conduct post-closure care activities for the entire period.	330.507(a)					Shipped 330.507(a) (1) & (2) for increase or reduction in estimate

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Establish financial assurance for post-closure cost per Chapter 37, Sub R.	330.507(b)					
Corrective Action Cost Estimate for Landfills provide cost estimates of hiring a third party to conduct corrective action.	330.509(a) & (b)					This should be required as part of the corrective action plan.
Application Content – Part IV ***Operational Standards for Landfill Facilities (Subchapter D)***	330.65					
Submit site operating plan that covers all on-site units per Subchapters D & E	330.65(a)					
Specify procedures for recirculating leachate or gas condensate	330.65(c)					
General The site development plan, site operating plan, final closure plan, post-closure maintenance plan, gas management plan, & all other documents are operating requirements & part of the operating record	330.121(a)					
Pre-Operation Notice A SLER must be submitted to the ED 14 days prior to waste disposal operations for each new disposal area	330.123					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Record Keeping A copy of the site development plan, site operating plan, final closure plan, post-closure maintenance plan, gas management plan, & any other required plan shall be maintained as part of the operating record	330.125(a)					
Record & retain in operating record the following info. within 7 days of completion or receipt of analytical data	330.125(b)					
Location restriction demonstrations	330.125(b)(1)					
Inspection record, training & notification procedures relating to excluding prohibited waste	330.125(b)(2)					
Results from gas monitoring & remediation	330.125(b)(3)					
Unit design documentation for placement of leachate or gas condensate	330.125(b)(4)					
GW or corrective action documentation, certification, findings, monitoring, testing, & analytical data	330.125(b)(5)					
Closure, post-closure care plan & any related monitoring, testing, & analytical data	330.125(b)(6)					
Cost estimates & financial assurance documentation	330.125(b)(7)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Documentation of compliance with small community exemption criteria	330.125(b)(8)					
Operation, modification, approvals, technical assistance correspondence & responses	330.125(b)(9)					
Special waste documents, manifests, trip tickets, etc.	330.125(b)(10)					
Rate & total amount applied of spray-applied ADC	330.125(b)(11)					
Any other documents specified by the permit or ED	330.125(b)(12)					
Maintain all required documents in operating record, organized & furnished upon request	330.125(c)					
Operating record maintained for life & post-closure period	330.125(d)					
Maintain training records per 335.586(d) & (e)	330.125(e)					
Maintain personnel operating licenses issued under Chapter 30, Subchapter F	330.125(f)					
ED may set alternative schedule for recordkeeping & notification	330.125(g)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Maintain records to document annual waste acceptance rate, maintain annual & quarterly waste summary reports required by 330.675. If waste acceptance rate exceeded, submit permit modification	330.125(h)					
Site Operating Plan SOP must include the following: Description of the function & minimum qualifications of key personnel	330.127(1)					
Description of minimum #, size, type & function of equipment based on waste acceptance rate, back-up equipment during breakdown	330.127(2)					
General instructions for personnel concerning operational requirements	330.127(3)					
Identification of applicable training requirements under 335.586(a) & (c)	330.127(4)					
Procedures for detection, prevention of prohibited wastes, including Haz. waste & PCB waste including the following	330.127(5)					
Procedures used to control the receipt of prohibited waste, random inspections, inspections of compactor vehicles, staff shall observe each load	330.127(5)(A)					
Records of all inspections	330.127(5)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Training of personnel to recognize prohibited waste	330.127(5)(C)					
Notification to ED, local agency, of receipt or disposal of Haz. or PCB waste	330.127(5)(D)					
Provisions for remediation of Haz. or PCB waste incident	330.127(5)(E)					
General instructions required by other Subchapters	330.127(6)					
Fire Protection Maintain source of earthen material available to extinguish fires, sized to cover area with 6 in. with sufficient equipment to cover in 1 hr., provide calculations and equipment demonstration. SOP must contain fire protection plan identifying standards & training. Other activities must be identified. If fire not extinguishable in 10 min. notify region immediately & in writing within 14 days	330.129					
Access Control Provisions for access control, inspection & maintenance schedule, notification of breach within 24 hrs., temporary & permanent repairs, notification of repairs, no notice if repaired within 8 hrs.	330.131					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Unloading of Waste Identify & specify max unloading area, staff monitor incoming loads & at each unloading area	330.133(a)					
Unloading in unauthorized areas prohibited, waste removed immediately & properly disposed, staff inspect waste, reject, returned to transporter or surcharge, maintain records	330.133(b)					
Unloading of prohibited waste [330.15(e)] is prohibited, return to transporter or generator or properly managed	330.133(c)					
Type I or IAE – may establish brush & C&D area	330.133(d)					
Type IV - may only accept brush, C&D, & rubbish free of putrescible and household waste	330.133(e)					
Type IV landfills that accept rubbish shall provide written procedure retained on site to ensure that containers with any putrescible wastes are not accepted and	330.133(f)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
written procedure retained on site for the removal of any putrescible/prohibited waste to an approved disposal facility must specify the means to be used for the immediate removal of putrescible wastes illegally disposed of at the landfill and	330.133(f)(2)					
procedure for transporter certifications retained at the landfill and available for inspection by the executive director	330.133(f)(3)					
Type IV landfills may only accept waste in enclosed containers/vehicles per 330.169	330.133(g)					
Type IV landfills shall identify wastes that are not allowed and state the landfill's requirements for transporters on signs in addition to what is required by 330.137	330.133(h)					
Facility Hours Specify waste acceptance (7 to 7, M – F) & operating hrs., no heavy equipment between 9 – 5 unless approved	330.135(a)					
Specify alternative operating hrs., 5 days/yr.	330.135(b)					
Record of utilized alternative hrs., dates, times, duration	330.135(d)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Site Sign Sign displayed at all entrances, 4' x 4', 3" letters including facility type, hrs & days, emergency 24hr. contact, fire department & permit number	330.137					
Windblown Waste Specify windblown waste control at working face, panels, fences	330.139(1)					
Specify means of once a day pickup of litter along fences, access roads, gates, & throughout the site	330.139(2)					
Easements/Buffer Zones No unloading, storage, disposal, processing within easements, buffer zones, or rights-of-way, no disposal within 25ft. of centerline of utility or pipeline easements & marked with posts	330.141(a) 330.543(a)					
Minimum separation between disposal, processing & boundary determined by 330.543, buffer must provide passage for fire & emergency vehicles	330.141(b)					
Markers/Benchmark Maintain visibility of markers & benchmark, record & inspect monthly, repair within 15 days	330.143(a)					
Installed to clearly mark features	330.143(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Markers must be posts extending 6ft. above ground & not obscured, installed at following location & color	330.143(b)(1)					
Black – boundary, yellow- buffer, green – easements, white – grid system, red – liner areas, blue – 100yr. flood protection	330.143(b)(1) (A) – (F)					
Boundary markers placed at corners & along boundary line at not >300ft. intervals	330.143(b)(2)					
Buffer zone markers placed along zone boundary not >300ft. apart	330.143(b)(3)					
Easement markers placed along centerline & along right-of-way boundary & at intersection with facility boundary	330.143(b)(4)					
Grid system markers encompass area to be filled within next 3yrs. & not >100ft. apart	330.143(b)(5)					
Liner markers placed so that area under evaluation can be determined & maintained though construction & operation period, markers are tied to grid system	330.143(b)(6)					
100yr flood markers identify flood areas, markers not >300ft. apart	330.143(b)(7)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Permanent benchmark must be established, accessible, must be bronze survey marker in concrete stamped with elevation & date	330.143(b)(8)					
Material Along Route Encourage haulers to cover, secure loads to prevent blowing or spilling of waste, post signs, report offenders, surcharges, etc., daily cleanup along access roads for 2 miles	330.145					
Disposal of Large Items Large, heavy, bulky items that cannot be incorporated should be recycled, large item salvage area established & removed often enough to prevent nuisance or discharge	330.147(a)					
Refrigerators, freezer, air conditioners, & items containing CFCs must be handled per 40 CFR 82.156(f)	330.147(c)					
Odor Management Plan addressing sources of odors & odor control, identification of waste requiring special attention	330.149					
Disease Vector Control Procedures for control of on-site vectors, methods, performance based frequency	330.151					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Site Access Roads Provisions for all weather access roads, tracked mud & debris on public roadway removed once a day, specify method for controlling mud & debris	330.153(a)					
Dust must not become a nuisance, specify method of dust control or suppression	330.153(b)					
Roadways maintained, litter picked up daily, roadways regarded to minimize depressions, ruts, potholes, specify frequency for regrading	330.153(c)					
Salvaging/Scavenging Salvaging must not interfere with operations or create nuisance & removed often enough to prevent nuisance, discharge, or accumulation. Class 1 & special waste salvaging is prohibited. Scavenging is prohibited.	330.155					
Endangered Species Specify criteria for the protection of identified endangered species	330.157					
Landfill Gas Control Specify landfill gas report & submittals maintained in operating record	330.159					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Oil/Gas/Water Wells Within 30 days of discovery of water well, notify ED, certify capping & plugging. ED approved water supply well outside footprint, not impacted by landfill, designed to prevent cross-contamination, & an approved sampling plan	330.161(a)					
Within 30 days of discovery of oil or gas well, notify ED of location. Within 30 days of plugging send certification to ED, notify ED of any operating oil or gas wells	330.161(b)					
Within 30 days after plugging any water or other type of well, notify & submit to ED	330.161(c)					
Compaction Specify method of compaction of waste	330.163					
Landfill Cover Type I & IAE daily cover – 6in. of compacted soil, for 24hr operations cover working face every 24hrs.	330.165(a)					
Type IV & IVAE weekly cover – 6in. of compacted soil	330.165(b)					
Intermediate cover – 12in. soil with 6in. suitable for plants, seeded or sodded & graded to prevent ponding, erosion control must be maintained	330.165(c)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Previously approved ADC – used only in a 24hr. period	330.165(d)					
ADC operating plan including the following	330.165(d)(1)					
Description of minimum thickness of ADC material (including manufacturers specifications)	330.165(d)(1)(A)					
Effects on vectors, fires, odors, & windblown waste	330.165(d)(1)(B)					
Application & operational methods for ADC use (including manufacturers specifications)	330.165(d)(1)(C)					
Chemical analysis of material or MSDS	330.165(d)(1)(D)					
Other pertinent characteristics, features, or factors	330.165(d)(1)(E)					
No ADC during periods >24hrs. unless approved by ED	330.165(d)(3)					
For contaminated soil ADC – COCs concentrations not > those in 335.521(a)(1). Contaminated soil must not contain;	330.165(d)(4)					
PCB waste subject to 40 CFR Part 761	330.165(d)(4)(A)					
TPH concentrations not > 1,500 ppm unless ED approves suitability demonstration	330.165(d)(4)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
ADC must not exceed constituent limits imposed on waste disposed at the facility	330.165(d)(5)					
ED may require runoff testing for ADC areas or manage runoff as contaminated water	330.165(d)(6)					
Final cover per closure plan & Subchapter K	330.165(f)					
Within 5 days of detecting 4in. erosion gullies, repair cover, grade, compact, seed unless approved by region, note date of detection & repair & note any reason for delays in cover inspection record. Specify cover inspection frequency.	330.165(g)					
Cover application record notes date cover completed, how it was accomplished, & last area covered for all covers, & made available for review. For final cover also include thickness applied. Cover inspection record addresses requirements of (g) above	330.165(h)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Ponded Water Ponding of water must be prevented, within 7 days fill & grade ponded areas. Provide ponding prevention plan specifying techniques, inspection schedule, corrective action, & instructions for managing contaminated water	330.167					
Waste in Enclosed Containers/Vehicles Accepted at a Type IV Landfill Cannot accept waste unless:	330.169					
Facility participates in funding program	330.169(1)(A)					Applicant should agree to this so that if the agency ever implements the program the SOP will be consistent with the rules.
Transporter must have approval or permit from TCEQ	330.169(1)(B)					
Waste must only be accepted on the designated time & day per transporter permit	330.169(1)(C)					
Transporter must provide trip ticket	330.169(1)(E)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
TCEQ is currently not implementing the funding program for enclosed container/vehicles but may in the future	330.169(1)(D) & (F), & 330.169(2) & (3)					
Stationary Compactors are exempt from 330.169(1)-(3) but must provide a trip ticket that is maintained in the operating record	330.169(4)					
Disposal of Special Waste Special waste not identified in (c) & (d) require written approval	330.171(b)					
Acceptance of special waste submitted to ED or facility with an approved special waste acceptance plan (SWAP). Provide SWAP that specifies procedures for acceptance of special waste that require prior approval. Procedures must include sampling and testing of COCs, sampling frequencies, & classification consistent with 335.521(a)(1) to determine "Class 1 like" wastes that will be placed in Class 1 units.	330.171(b)(2)					
Description of chemical & physical characteristics of waste, Class 1 industrial waste statement, quantity, rate, & frequency of disposal	330.171(b)(2)(A)					
For Class 1, a hazardous waste determination per 335.6(c)	330.171(b)(2)(B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Operating plan containing handling procedures, personnel protective & on-site emergency equipment	330.171(b)(2)(C)					
Contingency plan outlining responsibility for spills, containment & cleanup	330.171(b)(2)(D)					
Identification, notification & procedures for any on-site liquid waste processing units per 330.11 (see Subchapter E for SOP procedures)	330.171(b)(3)					
If accepting contaminated soil, TPH not > 1,500 ppm or COCs exceeding Table 1 in 335.521(a)(1), unless disposed of in dedicated unit per 330.331(e)	330.171(b)(4)					
Special waste listed under (c) may be accepted if managed per the handling procedures for each waste identified in 330.171(c)(1) - (7)	330.171(c)					
Used oil filters may not be accepted unless managed per 330.171(d)(1) & (2)	330.171(d)					
Disposal of Industrial Waste Type IAE may not accept Class1 except RACM accompanied by a manifest. Must also comply with 330.173(g) & (h) below	330.171(a) & 330.173(c)					
Operator may not accept Class 1 without written approval and a manifest per 335.10	330.173(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Request for authorization to accept Class 1 must be submitted to ED including the following	330.173(d)					
Description of chemical & physical characteristics of the waste per 335.587, hazardous waste statement, & quantity, rate, & frequency of disposal	330.173(d)(1)					
Operating plan containing handling procedures, personnel protective & on-site emergency equipment	330.173(d)(2)					
Contingency plan per 335.589	330.173(d)(3)					
Class 1 waste must be accompanied by a manifest, operator signs & retains copy for 3 yrs.	330.173(g)					
Class 1 waste acceptance report submitted by 25th of the month	330.173(h)					
Visual Screening ED may require visual screening	330.175					
Leachate & Gas Condensate Recirculation provide procedures for recirculation	330.65(c) 330.177					
Operational Standards for Management of Class 1 if facility manages Class 1, then comply with the following	330.179(a)					
Compliance with 335.585	330.179(a)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Provide inspection schedule for monitoring, safety, & emergency equipment	335.585(b)					
Maintain copy of inspection schedule at facility	335.585(b)(1)					
Specify type of problems to be looked for during inspection	335.585(b)(2)					
Specify frequency of inspections, must be consistent with 40 CFR 264.303, unloading areas inspected daily	335.585(b)(3)					
Operator must remedy deterioration or malfunction, immediately where hazard is imminent	335.585(c)					
Maintain inspection log per 335.113(d) & include date/time of inspection, inspectors name, observations made, date & nature of repairs	335.585(d)					
Compliance with 335.586	330.179(a)(2)					
Personnel complete training relating to permitting standards, Chapter 335, Subchapter T	335.586(a)					
Training provided by trained person to provide training on waste management procedures	335.586(a)(1)					
Training of emergency procedures, equipment, & systems including the following	335.586(a)(2)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Procedures for using, inspecting, repairing, & replacing emergency & monitoring equipment; communications or alarm systems; response to fires or explosions; response to GW contamination; & shutdown of operations	335.586(a)(2) (A) – (E)					
Personnel training must be completed within 6 months	335.586(b)					
Annual review of the training	335.586(c)					
Operator must maintain following documents & records	335.586(d)					
Title of each position & employee name in that position, job description, description of type & amount of training for each position, records of training & job experience	335.586(d)(1) – (4)					
Training records kept until closure on current personnel, for former personnel keep records for 3 yrs.	335.586(e)					
Compliance with 335.587	330.179(a)(3)					
Waste analysis requirements	335.587(a)					
Obtain chemical & physical analysis of representative samples	335.587(a)(1)					
Generator's records of waste analyses or operator accepting waste is responsible for analyses	335.587(a)(1) (A) & (B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Analysis may include data developed under Subchapter K	335.587(a)(2)					
Analysis must be repeated as necessary for accuracy & when:	335.587(a)(3)					
Operator believes process or operation generating waste has changed or inspection of waste indicates waste does not meet manifest	335.587(a)(3) (A) & (B)					
Inspect & analyze if necessary each waste against manifest	335.587(a)(4)					
Submit waste analysis plan the specifies the following	335.587(b)					
Parameters for each waste, test method, sampling method described in 40 CFR Part 261, Appendix I or approved equivalent, analysis frequency, any generator agreed waste analyses, & any methods used to meet additional requirements of 335.588	335.587(b) (1) – (6)					
Compliance with 335.588	330.179(a)(4)					
Precautions to prevent ignition or reaction of wastes	335.588(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Take precautions to prevent, extreme heat or pressure, fire or explosions, violent reactions, toxic mist, dust, fumes, gases, flammable fumes & gases, damage to devices or facility, or threaten human health or the environment	335.588(b) (1) –(5)					
Documentation of compliance with 335.588(a) & (b) above	335.588(c)					
Compliance with 335.589	330.179(a)(5)					
Provide contingency plan with procedures that will be implemented immediately if identified waste hazards occur	335.589(a)(1) & (2)					
Contingency plan must describe personnel action in response to hazards (fire, explosions, etc.)	335.589(b)(1)					
If operator manages waste in tanks & has a SPCC plan or other emergency or contingency plan, amend that plan to incorporate these requirements	335.589(b)(2)					
Describe arrangement agreed to by local police, fire, hospitals, contractors, State & local emergency response to coordinate services	335.589(b)(3)					
Plan specifies operator maintains list of names, addresses, phone #s of persons qualified as emergency coordinators	335.589(b)(4)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Plan must include a list of emergency equipment including location, physical description, & capabilities of equipment	335.589(b)(5)					
Plan must include evacuation plan for personnel including signals for evacuation, route & alternate route	335.589(b)(6)					
Copies of contingency plan maintained on-site, submitted to police, fire, hospitals, State & local emergency response	335.589(c)(1) & (2)					
Changes to plan whenever permit is revised, plan fails, change in facility design, construction, operation that increases potential for hazards, or emergency equipment changes	335.589(d) (1) – (4)					
Emergency coordinator on-site or on call familiar with contingency plan, operations, location of records & authority to commit resources to implement plan	335.589(e)					
Emergency procedures – coordinator immediately activate alarms, notify state & local agencies	335.589(f)(1) (A) & (B)					
Whenever there is a release, fire, explosion, coordinator immediately identify character, source, amount & areal extent of release material	335.589(f)(2)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Concurrently coordinator assess possible hazards, consider both direct & indirect effects	335.589(f)(3)					
Coordinator determines the need for evacuation & immediately notify authorities	335.589(f)(4)					
Coordinator notify either government official or National Response Center & provide report including name & phone no. of reporter, name & address of facility, time & type of incident, name & quantity of material involved, extent of injuries, & possible hazards	335.589(f)(5)(A) – (F)					
Coordinator must ensure fire, explosion, or release does not occur, recur, or spread including stopping operations	335.589(f)(6)					
If operations stop, coordinator must monitor leaks, pressure buildup, gas generation, etc.	335.589(f)(7)					
After emergency, coordinator must provide for treating, storing, disposal of waste, contaminated soil, etc. & classify waste	335.589(f)(8)					
Coordinator shall ensure that in affected areas no waste treated, stored, or disposed of until cleanup procedures are completed & equipment is cleaned & fit for use	335.589(f)(9)(A) & (B)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Operator notifies ED & other authorities that facility is in compliance before operations are resumed	335.589(f)(10)					
Operator shall note in operating record the time, date, & details of the incident & within 15 days report to ED including name, address, phone # of operator & facility, date, time, & type of incident, name & quantity of material involved, extent of injuries, assessment of hazards, quantity & disposition of material resulting from incident	335.589(f)(11)(A) – (G)					
Compliance with 335.590(25)	330.179(a)(6)					
Acceptance of CESQG waste as long as amount does not exceed 220 lbs/month	335.590(25)					
Nonhazardous industrial may be place above grade provided conditions in 335.590(24)(F)(i) – (vi) are met, except as provided in 335.590(24)(F)(vii)	330.179(b)					
Above grade waste laterally confined by dikes to: prevent washout, be stable against slope failure with factor of safety of 1.5, prevent washout by hydrostatic forces, prevent storm water into waste, minimize release of leachate & long-term maintenance	335.590(24)(F)(i)(I) – (VI)					
Liner required by 335.590(22) extends to crest of dike	335.590(24)(F)(ii)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Waste no higher than 3ft. below crest of dike	335.590(24)(F)(iii)					
Slope of waste does not exceed 3% to center of unit	335.590(24)(F)(iv)					
Waste not placed higher than lowest elevation of dike crest	335.590(24)(F)(v)					
Submit dike certification report, text specified in rule	335.590(24)(F)(vi)					
Facilities with environmental management system meeting 90.32 & USEPA National Environmental Performance Track Program is not subject to SOP requirements	330.65(b)					
Site Operating Plan For Processing & Storage Units (Subchapter E)	330.65					
Operators of grease, grit, & septage facilities submit information identifying any permit required under the TPDES and any permit requirements imposed by other agencies	330.65(d)					
Waste Acceptance & Analysis Identify source & characteristics of wastes that will be received. Specify any limiting parameters that may influence the design & operation of the facility.	330.203(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Provide estimate of the amount of each waste to be received daily, max amount stored at any one time, max & average time waste will remain on-site, max & average processing time, intended destination of generated wastes, & description of how 10% will be recovered if applicable.	330.203(b)					
Establish the method for sampling & analysis of effluent. Provide method of sampling, frequency of sampling, & tests to be performed. Records maintained for 3 yrs.	330.203(c)(1)					
Analyses for benzene, lead, & TPH for waste received. Annual grit trap analysis for BOD, TSS, benzene, TPH, & lead. Sludges to be landfilled must be analyzed annually for benzene, lead, & TPH. Effluent must be analyzed annually for TPH, fats, oil & grease, & pH. Records maintained for 3 yrs.	330.203(c)(2)					
Facility Generated Waste Specify characteristics & constituent concentrations of waste, document generated waste may be managed by other facilities at specified volumes & concentrations.	330.205(a)					
Generated waste must be processed &/or disposed at an authorized facility.	330.205(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Generated wastewater shall be managed per 330.207	330.205(c)					
Facility shall be designed & operated to generate sludges that pass paint filter test & contain constituent concentrations < those specified by rule.	330.205(d)					
Contaminated Water Management Specify destination for management of waste water (ie sewer system, septic tank, etc.). Specify if any other permit is required.	330.207(a)					
Collection unit other than tanks require a liner including 1ft. freeboard for the 25yr. 24hr. event.	330.207(b)					
Use of leachate & gas condensate in mining process prohibited.	330.207(c)					
Facilities that process grease, grit, septage; mobile liquid waste processing; & demonstration projects shall not discharge to septic system.	330.207(d)					
Off-site discharge only after approval under TPDES authority.	330.207(e)					
Wastewaters discharged to facility permitted under TWC, Chapter 26 must not: interfere with or pass-through treatment facility processes;	330.207(f)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Interfere with or pass-through its sludge processes;	330.207(f)(2)					
Otherwise be inconsistent with prohibited discharge standards, including 40 CFR Part 403.	330.207(f)(3)					
Daily effluent for oil and grease leaving facility into sewer system shall not exceed 200 mg/l, concentration established in waste water discharge permit pretreatment limit, concentration established by facility permitted under TWC, Chapter 26, or limits specified in rule, if discharge points do not require compliance with locally set limits.	330.207(g)					
Lagoons, open-top storage tanks, open vessels, & underground storage units are prohibited at liquid waste transfer facilities.	330.207(h)					
Storage Requirements Waste stored in a manner not to constitute a fire, safety, health hazard or provide food or harborage for vectors or result in litter. Facility must utilize sufficient containers for waste.	330.209(a)					
Applicant provides separate storage area for sources-separated or recyclable materials and must control odors, vectors, & windblown waste.	330.209(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Transfer stations that recover material from putrescibles or liquid waste must store processed and unprocessed waste & recycled materials in enclosed buildings, vessels, or containers.	330.209(c)					
Approved Containers Waste containing food wastes must be stored in covered or closed containers that are leakproof, durable, designed for safe handling, & easy cleaning.	330.211					
Nonreusable containers shall be of suitable strength to minimize vector scavenging or rupturing.	330.211(1)					
Reusable containers maintained in a clean condition as not to constitute a nuisance, harbor, feed, & propagate vectors.	330.211(2)					
Containers empted manually must be capable of being serviced without physical contact with waste.	330.211(2)(A)					
Containers mechanically handled must be designed to prevent spillage/leakage during storage, handling, & transport.	330.211(2)(B)					Skipped 330.213, 215, & 217 relating to citizen's collection stations, compactors, & mobile units

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Recordkeeping & Reporting Requirements Permit or registration, application, other plans or related documents, & as-built plans maintained in the site operating record & shall be made available for inspections.	330.219(a)					
Operator shall record & retain location restriction demonstrations, inspection records, training procedures, closure plans, monitoring, testing, analytical data relating to closure, cost estimates, financial assurance documents, all correspondence, modification, approvals, manifests, shipping documents, tickets relating to special waste, & documents as specified by the ED in the operating record.	330.219(b)(1) – (7)					
Record retention provisions for trip tickets as required by 312.145.	330.219(b)(8)					
Provision to justify quarterly that relevant % of waste is recycled. Annual recycling report due March 1st.	330.219(b)(9)					
For signatories to reports: the operator/representative shall sign all reports/information requested by ED per 305.44(a).	330.219(c)(1)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
A person is a representative only if: authorized in writing by operator per 305.44(a), authorization specifies individual or position with responsibility, and written authorization is submitted.	330.219(c)(1) (A) – (C)					
For signatories to reports: if authorization is no longer accurate submit new representative authorization with report/information/application.	330.219(c)(2)					
For signatories to reports: any person signing shall make the certification in 305.44(b).	330.219(c)(3)					
For permitted MSW composting & mining facilities operator shall maintain on-site operating record, available for inspection, for 2yrs, except as noted in (1)-(3) below and includes;	330.219(d)					
Log of abnormal events including hazardous constituents uncovered, fires, explosions, process disruptions, equipment failures, etc.	330.219(d)(1)					
Results of final product testing under 330.613 or 332.71	330.219(d)(2)					
Copies of annual reports for 5yrs	330.219(d)(3)					
Operating record shall be furnished and available for inspection by ED.	330.219(e)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Operator shall retain operating record for the life of the facility.	330.219(f)					
ED may set alternative recordkeeping & notification schedules.	330.219(g)					
Operators of medical waste processing facilities accepting waste requiring shipping documents per 330.1211 must ensure that the document accompanies the shipment, specifies to receiving facility, operator signs document & provides a copy to transporter, operator retains 1 copy, and provides generator with copy including statement waste was treated per 25 TAC 1.136 within 45 days.	330.219(h)(1) – (4)					
Fire Protection Facility must have adequate water under pressure.	330.221(a)					
Firefighting equipment must be readily available.	330.221(b)					
Fire protection plan shall be established, employees shall be trained, & plan must comply with local fire codes.	330.221(c)					
Access Control Public access shall be controlled by barriers.	330.223(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Access road from public road must be 2 lanes, designed for expected traffic, & adequate turning radii. Must provide for parking, dust & mud control.	330.223(b)					
Perimeter controlled by fencing, have lockable gates, attendant on site during operating hours.	330.223(c)					
Unloading of Waste Confined to as small an area as practical and monitored by attendant. Operator must use signs & forced access lanes to prevent indiscriminate dumping and may reject any waste.	330.225(a)					
Operator shall ensure that waste in unauthorized areas are removed immediately & disposed of properly.	330.225(b)					
Operator shall ensure that prohibited waste is returned immediately to transporter or generator.	330.225(c)					
Spill Prevention & Control Storage & processing areas must be designed to control/contain worst case spills & freeboard for the 25yr 24hr storm.	330.227					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Operating Hours Must specify operating & waste acceptance (7am – 7pm, M - F) hrs. Heavy equipment & transportation may be between 5am & 9pm.	330.229(a)					
Alternative operating hours, up to 5 days per year.	330.229(b)					
Region may allow additional temporary operating hrs.	330.229(c)					
Facility maintains records of alternative operating hrs in operating record including dates, times, & duration.	330.229(d)					
Facility Sign At all waste receiving entrances, 4' x 4' with letters 3" high stating name, type of facility, hrs & days of operation, permit no., & facility rules.	330.231					
Control of Windblown Material & Litter shall be collected at least once/day.	330.233(a)					
Portable fences or other means shall be used to control windblown waste.	330.233(a)(1)					
Litter throughout facility must be picked up once/day during days of operation.	330.233(a)(2)					
If facility is not enclosed, then operator shall provide fence or screen to minimize windblown waste.	330.233(b)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Materials Along the Route to the Facility operator shall encourage waste hauling vehicles to cover loads & may post signs, report offenders, & add surcharges. Operator must cleanup spilled waste once/day for 2 miles from entrance & consult with TXDOT or local government regarding cleanup.	330.235					
Facility Access Roads operator must provide all weather roads & minimize tracking of mud.	330.237(a)					
Operator must provide for dust suppression.	330.237(b)					
Operator must maintain on site roads & minimize depressions, ruts, & potholes.	330.237(c)					
Noise Pollution & Visual Screening operator of a transfer station shall provide screening or other means to noise pollution & adverse visual impacts.	330.239					
Overloading & Breakdown design capacity shall not be exceeded or accumulate waste in quantities that create a nuisance, create odors, or harbor vectors.	330.241(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Facilities that process grease, grit, & septage may only store unprocessed waste for up to 72hrs.	330.241(a)(1)					Skipped 330.241(a)(2) relating to mobile units
If work stoppage due to breakdown or other causes occurs, facility shall restrict the receipt of waste, & divert waste to backup facility. If stoppage last long enough to create a nuisance, odors, vectors, then operator shall remove waste to a backup facility.	330.241(b)					
Operator shall have alternative processing/disposal procedures for when facility is inoperable for more than 24hrs.	330.241(c)					
Sanitation working surfaces in contact with waste shall be washed down weekly. Facilities that operate continuously shall be swept daily & washed down twice per week.	330.243(a)					
Wash water shall not be allowed to accumulate without proper treatment.	330.243(b)					
Wash water shall be collected & disposed of in an authorized manner.	330.243(c)					
Ventilation & Air Pollution Control facilities must not cause or contribute to air pollution per TX Clean Air Act.	330.245(a)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Facilities & constructed air pollution abatement devices must obtain authorization under Chapter 116 or Subchapter U from Air Permits Division, except as authorized in THSC, 382.004.	330.245(b)					
Liquid & solid waste shall be stored in odor-retaining containers & vessels.	330.245(c)					
Facility designed & operated to provide adequate ventilation & prevent nuisance odors from leaving boundary of facility.	330.245(d)					
Air pollution emission capture & abatement equipment shall be cleaned & maintained per manufacturer's recommendations & as necessary for efficiency.	330.245(e)					
Operator shall employ 1 or more of the following: air scrubber unit; buffer zones; additional handling, storage, & cleanup procedures when accepting putrescible waste; or alternative ventilation & odor control measures.	330.245(f)(1) – (4)					
Process areas that recover material from putrescible waste shall be within enclosed building & openings to the processing area shall be controlled to prevent nuisance odors.	330.245(g)					

Description	Regulatory Citation (30 TAC unless noted)	Submitted Yes/No	Technically Adequate Yes/No (for TCEQ use)	NA	Location of Information in Application	Comments
Facility designed to minimize time of exposure of liquid waste to air, including control at building openings and unloading areas for nuisance odors.	330.245(h)					Skipped 330.245(i) relating to mobile units
Reporting of emissions events per 101.201 & reporting of scheduled maintenance per 101.211.	330.245(j)					
Ponded water at facility shall be controlled to avoid nuisances. If objectionable odors occur, operator must take appropriate measures.	330.245(k)					
Health & Safety facility personnel shall be trained per facility plan.	330.247					
Employee Sanitation Facilities operator shall provide potable water & sanitation.	330.249					